Work Orde September-13-12	r ID 90157				Page 1								
tem ID: Revision ID:	D412-702-321			Accept	*NC	300	040	100)* s	etup Sta	IV	S1*	==
	Harness Assembly 9/07/12	-	*2* *2*			t Item II tomer:	D:			Sto	^р *N	S2*	
Approvals:	Process Plan: _ M_		ate: <u>\2-09-\</u> ate:	_			ite:		R	un Sta	n '' \(\)	R1* R2*	
Sequence ID/ Work Center ID	Operatio Descript			Set Up/ Run Hours	To	ol ID	Tool#	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	
Draw Nbr ICAD412-702	Revision Nbr REV 4											/2/	_
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Small Fab		Assemble as per d	wg ICA D412-702	p.49									
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QC Quality Control		Мето		0.00 13 10	27								
120				0.00									
120 Packaging		Memo		0.00					2			12/19/2	23 JA
Packaging		Identify with P/N CHG001 Location: 57 2 PPP Rev:	-	for shipping as per PPP D	412-702-321								

											DQA:	Date:	
NCR: Y	es ,	/ No				WORK ORDER NON-C	ON	NFORM	AANCE / UP		O A Charach	Data	
							- 1				QA Closed:	Date:	
Work Orde	or.					DISPOSITION				AGAINST DE	PARTMENT/	PROCESS	
WOIK OIGE	-1. —					Rework	H		Skid-tube	Crosstube		Water Jet	Engineering
Part N	No.					Scrap			Machining	Small Fab	Prod	d. Eng. Coor.	Quality
						Use-as-is			noforming	Finishing	1	e/Packaging	Other
NCR N	٧٥					Work Order Update			Large Fab	Composite		Supplier	
_							لِـــ	1			C: 0		
Root		D-4-	Chara	04	-	ption of work order update		nitial	Action		Sign &	Verification	OC Inspector
Cause		Date	Step	Qty		or Non-conformance	Cn	ief Eng	Desc	ription	Date	verincation	QC Inspector
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		Bending				Bend		Grain			Ovalized	L	Pressure/Forced
		Centre No	t Concer	ntric to	o/s	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
	Щ°	Cracks				Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ct	Weld
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	$\boldsymbol{\vdash}$	nspection		Tube	<u>_</u>	Cut Too Short	\vdash	Misread	d		Power Loss/	Surge	Other
		Ripples in				Drill Holes	-	Offset					
	Torque Waves in Extrusion				n	Drawing		Out of 0	Calibration				

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Orde September-13-1						Page 2						
Item ID: Revision ID: Item Name:	D412-70	O2-321 Assembly		Accept	*N900)*	Setup	Start Stop	1 41	S1* S2*		
	9/07/12 10/12/12	Start Qty: 2.00 Req'd Qty: 2.00	*2* *2*		Cust Item I Customer:	D:					I W	
Approvals:	Proces QC: _	s Plan:	Date:	Tooling: SPC (Y/N):	Date:				Run	Start Stop	*N *N	R1* R2*
Sequence ID/ Work Center II	D	Operation Description QC21- Final Inspection	- Work Order Release	Set Up/ Run Hours 0.00	Tool ID	Tool #	Plan Code	Accep Qty	t Re Qt	•	Reject Number	Insp. Stamp
130 QC Quality Control		Memo		0.00					 	101	100/0	4

M12-10-24

												DQA:	Date	e: _		
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											QA	Closed:	Date	e:		
Work Orde	or.					DISPOSITION	AGAINST DEPARTMENT/PROCESS									
VVO; K Orak	٠					Rework		Skid-tube	Crosstube	7		Water Jet		Engineering		
Part I	Vo.					Scrap	1	Machining	Small Fab]	Prod	d. Eng. Coor.		Quality		
				_		Use-as-is	B .	oforming	Finishing Composite	1	Rec/Stor	e/Packaging	_	Other		
NCR I	No.					Work Order Update]	·	Large Fab	j	Supplier					
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Cause		Date	Step	Qty		or Non-conformance	Ct	nief Eng	Desc	ription	<u> </u>	Date	Verification	1	QC Inspector	
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1	-	Inspectio	-	Tube	L	Cut Too Short	<u> </u>	Misread	I		Po	wer Loss/	Surge		Other	
1		Ripples in	n Bend		1	Drill Holes	1	Offset								

Out of Calibration
Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish Folio

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Picklist Print September-13-12 2:16:17 PM Work Order ID: 90157 Required Date: 10/12/12 Parent Item: D412-702-321 **Start Date: 9/07/12** Parent Item Name: Harness Assembly Start Qty: 2.00 Required Qty: 2.00 **Comments:** IPP Rev:A new issue DD 10.04.30 verified:EC Component Item ID/ Mfg/ Last Unit of Qty on Qty per Kit Total Replacement Date Bin **Primary** Route Qty Item Name Item ID Location Measure Hand Item Location Seq ID Qty Issued <u>Işs</u>ued Purch D3570-3 No Each 4.0000 2 Manufactured Bracket Location Loc Qty Loc Code GA 64361 D4088-043 13.0000 Manufactured No Each Shoulder Harness Location Loc Qty Loc Code ST268A 13 87352 13 MS24694-S50 No Each 57.0000 Purchased

Screw

AN960JD10L

Washer

NAS1149D0332J

Purchased

M121708

Loc Oty Location Loc Code ST289 13 116900 118078 119124 11 ST289A 121166 ST305 43 122441 43 0.0000 Each

Sp /10/23

Page 1

Status

										DQA:	Dat	e: _					
NCR: Ye	es / No				WORK ORDER NON-	100	NFORM	ANCE / UP	DATE								
		_								QA Closed	Dat	:e:					
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work order.					Rework		Skid-tube	Crosstube	7	Water Jet	\neg	Engineering					
Part No	D.				Scrap	1	į.	Machining	Small Fab	Pro	d. Eng. Coor.	\exists	Quality				
					Use-as-is	Therm	noforming	Finishing	Rec/Sto	re/Packaging		Other					
NCR No	o				Work Order Update]		Large Fab	Composite]	Supplier						
Root				Descri	ption of work order update	T	I Initial	Ac	tion	Sign &							
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	Bending			<u> </u>	Bend	\vdash	Grain			Ovalized		-	Pressure/Forced				
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	Crushed	'Crimped	-	<u> </u>	Burrs	<u> </u>	⊣	ions Incomplete/	Unclear	Part Lost/N	-	∐'	Wrong Stock Pulled				
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	Heat Tre			<u> </u>	Countersink	_	Mislabe			Positioned Wrong							
	Inspection	n Strip in	Tube	L	Cut Too Short		Misread	i	_	Power Loss	/Surge	\Box	Other				
1	Rinnles i	n Rend		l l	Drill Holes	1	Offset										

Out of Calibration

Outside Dimensions

Out of Sequence

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

September-13-12 2:16:17 PM

Work Order ID:

90157

Parent Item:

D412-702-321

Parent Item Name:

Harness Assembly

MS21042L3

Nut

Purchased

No

ST317

122141

Start Date: 9/07/12

2,762.0000

Start Qty: 2.00

Required Date: 10/12/12

Required, Qty: 2.00

Loc Oty Loc Code Location 316 719 719 122452 ST300 581 117885 32 411 119017 119075 138

1462

1462

Each

September-13-12 2:16:17 PM

Shop Packet Print

Page 2

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Work Ord	or:					DISPOSITION				AGAINST DEPARTMENT/PROCESS							
Work Order.						Rework	7		Skid-tube	Crosstube	7		Water Jet		Engineering		
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NCR	No.					Work Order Update			Large Fab	Composite			Supplier	Ш			
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Root		D . 4 .	C			ption of work order update		Initial		tion cription		Sign & Date	Verificatio	_	QC Inspector		
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ļ ·	\vdash	Cracks				Broken/Damaged	<u> </u>	⊣ `	on Incomplete	, ,		art Incorred		<u> </u>	Weld		
		Crushed/	'Crimped		<u> </u>	Burrs	\vdash	=	ions Incomplete/	/Unclear	_	art Lost/Mi	ssing	L	Wrong Stock Pulled		
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1		Inspectio	n Strip in	Tube		Cut Too Short Misread						ower Loss/	Surge	1	Other		

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

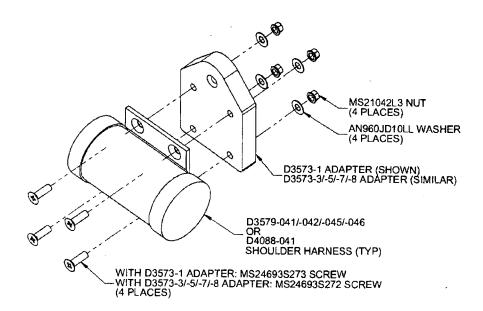
Torque Waves in Extrusion

Drill Holes

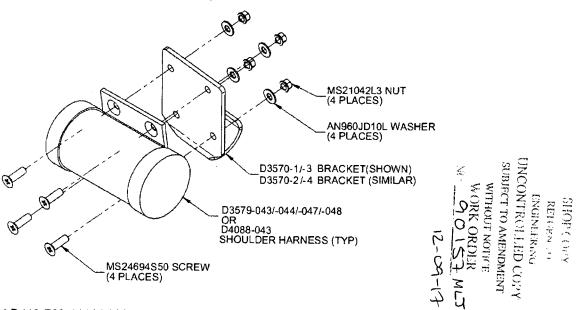
Drawing

Finish Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G



<u>DETAIL 'K' D412-702-101A/-103A/-105A/-107A/-109A/-115A/-117A AND D412-702-101B/-103B/-105B/-107B/-109B/-115B/-117B OR -301/-303/-305/-307/-309/-315/-317 HARNESS ASSEMBLIES</u>



DETAIL 'L' D412-702-111A/-111B/-113A/-113B OR -311/-313/-321/-323 HARNESS ASSEMBLIES

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